...rative statement

Government of Karnataka

Form No. PWG-45

Estimate Amount: 200.00 Lakhs

MP. RR Nagar Division

...me of Works : Providing Gallery to Musical Fountain in JP Park in Ward No 17, J P Park.

	Description of Item	Unit	As per Sanction Estimate	As per Tender			Total Executed Qty	up to 125%			Above 125% more than tender Qty			Total Amount	Amount		Remark
			Amount	Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount		Excess	Savings	
	2	3	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	KSRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.	Cum	205736.84	910.34	226.00	205736.84	1126.05	1126.05	226.00	254486.85	0.00	226.00	0.00	254487.00	48750.16	0.00	
2	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications.	Cum	254784.80	90.80	2806.00	254784.80	104.91	104.91	2806.00	294377.46	0.00	2806.00	0.00	294378.00	39593.20	0.00	
3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications.	Cum	543353.84	86.48	6283.00	543353.84	149.08	108.10	6283.00	679192.30	40.98	6273.14	257048.21	936241.00	392887.16	0.00	
4	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.	Sqm	759085.74	1837.98	413.00	759085.74	0.00	0.00	413.00	0.00	0.00	413.00	0.00	0.00	0.00	759085.74	
5	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M20 for R.C.C works laid in 15 cms thick layers and well compacted by vibrating, curing for foundations & sub-structure works with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) .	Cum	2991617.00	446.51	6700.00	2991617.00	0.00	0.00	6700.00	0.00	0.00	6700.00	0.00	0.00	0.00	2991617.00	
6	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. TMT bars Fe 550	Tonne	4052835.85	44.65	90769.00	4052835.85	108.10	55.81	90769.00	5066044.81	52.29	97667.05	5107085.97	10173131.00	6120295.15	0.00	
7	KSRB 2.6 : Providing and filling dust in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications. specification.	Cum	135465.88	102.67	1319.43	135465.88	0.00	0.00	1319.43	0.00	0.00	1319.43	0.00	0.00	0.00	135465.88	
8	Fabrication supplying and erecting M.S. tubular trusses of all spans as per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification	Kgs	798301.44	6236.73	128.00	798301.44	0.00	0.00	128.00	0.00	0.00	128.00	0.00	0.00	0.00	798301.44	
9	TENSILE ROOFING	Sqm	7521920.00	671.60	11200.00	7521920.00	0.00	0.00	11200.00	0.00	0.00	11200.00	0.00	0.00	0.00	7521920.00	
10	Providing and laying pre-cast drain cover slab of 100mm thickness in CM1:3 including cost of all materials,labour,curing, transportation, loading, unloading etc.,as per doirections of the Enineer-in-charge. (Data Rate sheet enclosed)	Sqm	193503.60	82.80	2337.00	193503.60	0.00	0.00	2337.00	0.00	0.00	2337.00	0.00	0.00	0.00	193503.60	
	BRL Items														0.00	0.00	

Scanned with CamScanner

1	Earth work for lowering and levelling the ground other than foundation works by mechanical means upto 3.00 depth, including providing shoring strutting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavated earth to the extent required & utilising/transporting the remaining earth upto 1.00 km lead. Including the cost of labour & HOM as per drawing and technical specification.. (Item 2.24 P.W.D. SR-2018-19)	Cum					186.00	186.00	69.00	12834.50			0.00	12834.50	12834.50	0.00
2	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pillasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (Issue rate as on date 02-21-2021, Item No. 4.12)	Cum					617.73	617.73	7848.33	4848175.23			0.00	4848175.23	4848175.23	0.00
3	KSRB 4-6.1 : Providing and removing a centering, shuttering, strutting, propping etc., and removal of form work for a foundation footing bases of column for mass concrete including cost of all materials, labours, complete as per specificatons (Pg No 16-Item No 4.28@ P.W.D SR -2018-19)	Cum					243.84	243.84	291.85	71164.10			0.00	71164.10	71164.10	0.00
4	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square /rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.No.16, I.No.4.32 of P,W, D S.R 2018-19)	Cum					591.12	591.12	515.82	304913.62			0.00	304913.62	304913.62	0.00
5	KSRB 4-6.7: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.17, I.No.4.34 of PWD S.R 2018-19)	Cum					369.12	369.12	330.31	121923.31			0.00	121923.31	121923.31	0.00
6	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal form work for flat surface such as suspended floors, roofs, landings, balconies and like, thickness upto 200mm including cost of materials, labhour complete as per specification.(P.No.16,I.No.4.29.2)	Cum					256.50	256.50	452.48	116060.30			0.00	116060.30	116060.30	0.00
7	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2.(I.No.4.38)	Cum					544.16	544.16	588.22	320085.71			0.00	320085.71	320085.71	0.00
	Sub Total		17456604.99							12089258.20			5364134.18	17453393.78		
	Tender Premium & Miscelleneous															
	TOTAL		17456604.99			17456605.00								17453393.78	12396682.45	12399893.66

Contractor Quoted the Rates +4.74% Above the S R Rates of 2018-19

1) Estimated amount		20000000.00
2) Tendered Amount		17456605.00
3) Actual amount As per Modified Estimate (Work Slip+EIRL)		17453393.78
4) Work Slip %		37.82%
ERIL %		33.20%
Percentage of (3)/(2)		0.0%
Savings		3211.22

Since the overall expenditure is lesser then estimated amount. The Work slip & EIRL may please be approved

Assistant Engineer
Ward No 17

ASSISTANT ENGINEER
Sub Division

EXECUTIVE ENGINEER
RR Nagar Division

Scanned with CamScanner

Cement Rate upto 21-10-2019

Cement Rate As on 01-01-2021 (Issue rate)

Difference in cement cost

Sl No	Item	Sl no	Unit	Rate	Unit	Rate	Reference
					Per Bag	245.31	Page no V- Sl no 123 Code no 0084
					Per Bag	349	KPWD 4th quarter issue rate
					Per Bag	103.69	
	PCC				Cement consumption		Difference Cement cost	New Rate As per new issue rate
					In KG	in Bag		
1	PCC 1:2:4	4.1	Cum	5283.00	240	4.80	497.71	5780.71
2	PCC 1:3:6	4.2	Cum	5194.00	220	4.40	456.24	5650.24
3	PCC 1:3:6	4.3	Cum	5102.00	180	3.60	373.28	5475.28
4	PCC 1:3:6	4.4	Cum	5015.00	160	3.20	331.81	5346.81
4	PCC 1:2:4	4.5	Cum	5328.00	160	3.20	331.81	5659.81
5	PCC 1:3:6	4.7	Cum	5309.00	220	4.40	456.24	5765.24
5	PCC 1: 2:4 @ 300	4.5	Cum	5328.00	280	5.60	580.66	5908.66
6	PCC 1: 2:4 @ 240	4.6	Cum	5422.00	240	4.80	497.71	5919.71
7	PCC 1: 5:10 @150	22.1.2	Cum	3665.00	150	3.00	311.07	3976.07
7	PCC 1: 3 : 6 @150	34.1	Cum	4226.00	160	3.20	331.81	4557.81
							0.00	
	RCC						0.00	
1	RCC M25 with OPC 340 Kg footing	4.10	Cum	5812.00	340	6.8	705.09	6517.09
2	RCC M20 with OPC 320 Kg footing	4.11	Cum	5659.00	320	6.4	663.62	6322.62
3	RCC M25 with OPC 340 Kg Roof slab	4.12	Cum	6045.00	340	6.8	705.09	6750.09
4	RCC M20 with OPC 320 Kg Roof slab	4.13	Cum	5892.00	320	6.4	663.62	6555.62
5	RCC M20 for Chajja	4.19	Sqmt	440.00	24	0.48	49.77	489.77
6	RCC M20 for Chajja	4.20	Sqmt	496.00	27.2	0.544	56.41	552.41
7	RMC M20	4.49.1	Cum	5444.00	320	6.4	663.62	6107.62
8	RMC M25	4.49.2	Cum	5497.00	340	6.8	705.09	6202.09
9	RMC M30	4.49.3	Cum	5598.00	360	7.2	746.57	6344.57
10	RMC M35	4.49.4	Cum	5804.00	390	7.8	808.78	6612.78
11	RMC M40	4.49.5	Cum	6009.00	420	8.4	871.00	6880.00
12	RCC Loft	4.56	Sqm	420.00	30	0.6	62.21	482.21
13	RCC M30	4.49.2	Cum	5497.00	340	6.8	705.09	6202.09
13	RCC M30	26.5.10	Cum	6003.00	360	7.2	746.57	6749.57
14	RCC	22.2.2	Cum	5518.00	420	8.4	871.00	6389.00
							0.00	
	Stone Work						0.00	

Scanned with CamScanner

Sl No	Item	Sl no	Unit	Rate	Cement consumption in KG	Cement consumption in Bag	Difference Cement cost	New Rate As per new issue rate
1	SSm @ foundation in C M 1:8	5.5	Cum	4494.00	62.7	1.254	130.03	4624.03
2	SSm @ foundation in C M 1:6	5.6	Cum	4596.00	82.5	1.65	171.09	4767.09
3	SSm @ basement in C M 1:6	5.9	Cum	5483.00	82.5	1.65	171.09	5654.09
4	SSm in Super Structure in C M 1:6	5.12	Cum	5784.00	70	1.4	145.17	5929.17
5	SSm in Super Structure in C M 1:4	5.13	Cum	6005.00	106.4	2.128	220.65	6225.65
							0.00	
6	Load bearing Solid Block Masonary - 4N /mm2						0.00	
	400 x200x 200 mm	5.26.1	Sqm	962.00	7.38	0.1476	15.30	977.30
	400 x150x 200 mm	5.26.2	Sqm	962.00	7.38	0.1476	15.30	977.30
7	Load bearing Solid Block Masonary - 5N /mm2						0.00	
	400 x200x 200 mm	5.27.1	Sqm	912.00	7.38	0.1476	15.30	927.30
	400 x150x 200 mm	5.27.2	Sqm	953.00	7.36	0.1472	15.26	968.26
8	Non Load bearing 400x 100x200	5.28	Sqm	811.00	4.09	0.0818	8.48	819.48
							0.00	
	Brick Work						0.00	
1	Brick work - 5.0 Newton/ Sqmm						0.00	
	with CM 1:8	6.5	Cum	6600.00	45.6	0.912	94.57	6694.57
	with CM 1:6	6.6	Cum	6709.00	60	1.2	124.43	6833.43
	with CM 1:4	6.7	Cum	6899.00	91.2	1.824	189.13	7088.13
							0.00	
2	Brick work - 7.5 Newton/ Sqmm - wire cut brick						0.00	
	with CM 1:8	6.5	Cum	9698.00	45.6	0.912	94.57	9792.56528
	with CM 1:6	6.6	Cum	9785.00	80	1.6	165.90	9950.90
	with CM 1:4	6.7	Cum	9975.00	91.2	1.824	189.13	10164.13
							0.00	
3	Brick work - 5.0 Newton/ Sqmm -Table mould brick						0.00	
	with CM 1:8	6.16	Cum	6805.00	39.9	0.798	82.74	6887.74462
	with CM 1:6	6.17	Cum	6881.00	52.5	1.05	108.87	6989.87
	with CM 1:4	6.18	Cum	7047.00	79.8	1.596	165.49	7212.49
							0.00	
4	Partation wall in C M 1:4						0.00	
	with 3.5 n/mm2	6.23	Sqm	838.00	9.12	0.1824	18.91	856.913056
	with 5.0 n/mm2	6.24	Sqm	920.00	9.12	0.1824	18.91	938.91
							0.00	
	Flooring						0.00	
1	Flooring fine dressed stone	14.4	Sqm	3241.00		0.165	17.11	3258.11

Scanned with CamScanner

Sl No	Item	Sl no	Unit	Rate	Cement consumption In KG	Cement consumption In Bag	Difference Cement cost	New Rate As per new issue rate
2	Ceramic tiles 30x 30x6 flooring	14.36.2	Sqm	1210.00			0.00	
3	Ceramic tiles 30x 60x6 - Dodoing	14.41.2	Sqm	1632.00		0.19	19.70	1229.70
4	Ceramic tiles 30x 45x6 - Dodoing	14.41.3	Sqm	1275.00		0.18	18.66	1650.66
	Pointing					0.18	18.66	1293.66
1	20 mm deep ruled pointing with CM 1:3	15.8	Sqm	46.00			0.00	
							0.00	
	Plastering					0.180	18.66	64.66
1	12 mm thick single coat brick work						0.00	
	with CM 1:3	15.21	Sqm	235.00			0.00	
	with CM 1:4 - ceiling	15.22	Sqm	225.00		0.110	11.41	246.41
						0.098	10.16	235.16
2	15 mm thick single coat						0.00	
	with CM 1:3	15.12	Sqm	234.00			0.00	
	with CM 1:4	15.13	Sqm	221.00		0.14	14.52	248.52
	with CM 1:6	15.14	Sqm	208.00		0.11	11.41	232.41
						0.08	8.30	216.30
3	18 mm thick single coat						0.00	
	with CM 1:3	15.15	Sqm	276.00			0.00	
	with CM 1:4	15.16	Sqm	261.00		0.16	16.59	292.59
	with CM 1:6	15.17	Sqm	245.00		0.13	13.48	274.48
						0.09	9.33	254.33
							0.00	
							0.00	
4	15 mm thick Rough coatcoat						0.00	
	with CM 1:4	15.30	Sqm	205.00		0.125	12.96	217.96
	with CM 1:6	15.31	Sqm	192.00		0.08	8.30	200.30
							0.00	
5	20 mm thick single coat						0.00	
	with CM 1:3	15.18	Sqm	289.00		0.22	22.81	311.81
	with CM 1:4	15.19	Sqm	271.00		0.16	16.59	287.59

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Scanned with CamScanner